## **EAST Search History**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S69	0	(Dijkstra's ADJ Algorithm) AND ((Shortest smallest min minimum minimum least nearest) with (thickness distance course path length traversal measurement separation) with (traversal traverse traversed traversing traverse traversed traversing travel travelled traversing travel travelled travelling move movingi) AND ((Volume ADJ (mesh meshed meshingi)) tetrahedron tetrahedral (grid ADJ (map mapped mappingi)) with (domain topology space environment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23
S68	1041	(Dijkstra's ADJ Algorithm)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 16:53
S67	68	S66 not S65	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 16:26
S66	139	S64 AND ((internal internal inside inward within inner ) NEAR (domain topology space environment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 16:21
S65	71	S64 AND ((internal internal inside inward within inner ) ADJ (domain topology space environment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:53
S64	265	((S52 S53 S54 S55 S56 S57 S58 S59 S60 S62 S63) AND ((internal internal inside inward within inner ) with (domain topology space environment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:50

S63	55	((2°3° I Dimensional '2°3° I D three S 1 D tri S 1 dimensional three S 1 D tri S 1 Dimensional Three dimensional '3° 3 dimensions' 'Cattesian adj3 coordinates))) and (CAD CAE 'computer aided design' 'computer aided design' 'computer aided design' 'computer aided design' 'somputer aided design' 'somputer aided design' 'computer aided design' 'computer aided good 'somputer aided selment) 'finite element' finite S 1 element) adj2 (analysis model S4)) FEA FEM NASTRAN SYSNOISE ABAQUIS) AND ((thickness distance) WITH ((depend dependance depending variable varies varying) NEAR3 (direction angle orientation course path)) AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path length traversal measurement separation ) with (traversal traverset traversed traversing travel travelled travelling move moved moving)) AND (domain tupology space environment)	US-PGPUB; US-PAT: USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ŌR	ON	2008/04/23 15:37
S62		(("a"\$1Dimensional "a"\$1D three \$1 dimensional three\$1D tir \$1 Dimensional three\$1D tir \$1 Dimensional triDimensional "three dimensionas" "a dimensions" (Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided engineering" ((fifnite adj2 element) "finite element" finite \$1 element 1" hinte element" finite \$1 element 1" hinte element" finite \$1 element 1" hinte element" finite sold (depend) and (thickness distance) WITH ((depend dependance depending variable varies varying) NEAR3 ((depend dependance depending variable varies varying) NEAR3 (direction angle orientation course path))) AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path) length traversal measurement separation ) with (traversal traversed traversed traversing travet travelled travelling move moved moving)) AND (domain topology space environment)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:37

S61	0	[("3": 1 Dimensional "3": \$1 D thee \$1 D tri \$1 Dimensional three\$1 D tri \$1 Dimensional three\$1 D tri \$1 Dimensional Three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided design" "computer aided engineering" (((finite adj2 element) "finite element" finite \$1 element 1 adj2 (analysis model \$4)) FEA FEM NASTRAN SYSNOISE ABAQUS) AND (thickness WITH ((depend dependance depending variable varies varying) NEAR3 (direction angle orientation course path)) AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path length traversal measurement separation ) with (traversal traversed traversed traversed traversed traversed move moved moving)) AND (domain topology space environment)	US-PGPUB; US-PAT: USOCR; FPRS: EPO; JPO: DERWENT; IBM_TDB	OR	ON	2008/04/23 15:36
S60	244	(("3"\$1 Dimensional "3"\$1 D three \$1 dimensional three\$1 D tri \$1 dimensional tribimensional "\$1 Dimensional "three dimensional "three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided engineering" (((finite adj2 element) "finite element" finite \$1 element of adj2 (analysis model \$41) FEA FEM NASTRAN SYSNOISE ABAQUIS) AND ((depend dependance depending variable varies varying) NEAR3 (direction angle orientation course path)) AND ((Shortest smallest min minimum minimal least nearest) with (thickness insaltest min minimum minimal least nearest) with charget traversal measurement separation) with (traversal traverse traversed traversing travel travelted travelling move moved moving)) AND (domain topology space environment)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:36

S59	59	[((("3"\$1Dimensional "3"\$1D three \$1d imensional three\$1D tri \$1Dimensional thribensional "three dimensional thribensional "three dimensions" "3 dimensions" ("Cartesian adj3 coordinates))) WITH (CAD CAE "computer aided design" "computer aided design" ("Ginter aided design" ("Inite element) "finite signe engineering" ((Inite adj2 element) "finite element" finite \$1element) ADD (shortest \$1element) ADD (shortest \$1element) ADD (shortest smallest min minimum minimal least nearest) with (thickness distance course path length traversal traversed traversed traversed traversing traverse traversed traversing traversed measurement traverse traversed traversing traversed traversed traversing traverse traversed t	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23
S58		(((('3'\$1 Dimensional '3'\$1 D three \$1 D tri \$1 Dimensional three\$1 D tri \$1 Dimensional 'three dimensions' "3 dimensions' (Cartesian adj3 coordinates))) WITH (CAD CAE 'computer aided design' ((finite adj2 element) 'finite element' finite \$1 element' Maj2 (analysis model \$4)) FEA FEM NASTRAN SYSNOISE ABAQUS)) and ((mesh grid) AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path length traversed proposed space environment)	US-PGPUB; US-PAT: USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23

S57	59	[((('3'\$1 Dimensional '3'\$1 D three \$1 dimensional three\$1 D tri \$1 Dimensional three\$1 D tri \$1 Dimensional three\$1 D tri \$1 Dimensional three dimensions' "3 dimensions' "3 dimensions' (Cartesian adj3 coordinates))) WITH (CAD CAE "computer aided design" "computer aided design" "computer aided design" ((flinite adj2 element) "Initie element" finite \$1 telement aide2 element) "Initie element" finite \$1 telement aide2 element) "Alpi (Mens) grid AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path length traversed traversed traversed traversing traverse traversed traversing traverse traversed traversing traversed traversing traversed traversing traversed traversing traversed traversing traverse traversing traverse traversed tr	US-PGPUB: USPAT; USOCR; FPRS: EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:36
S56	59	((((13*1) Dimensional '3*\$10 three \$1 dimensional three\$10 tit \$1 Dimensional tribinensional 'three dimensions' "3 dimensions' (Cartesian adj3 coordinates))) WITH (CAD CAE 'computer aided design' ((finite adj2 element) "finite element" finite \$1 element) 'finite element' finite \$1 element) 'adj2 (canalysis model \$4)) FEA FEM NASTRAN SYSNOISE ABAQUS)) and (mesh grid) AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path length traversed traversed traversed traversed traversing travet traversed traversing travet travelled traversing travet traversed traversing travet travelled traversing travet travelled travel	US-PGPUB; US-PAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:35

55.55	66 66	(("3"\$1Dimensional "3"\$1D three \$1 dimensional three\$1D tri \$1 Dimensional tribmensional three\$1D tri \$1 Dimensional tribmensional "three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided engineering" (((finite adj2 element) "finite element" finite \$1 element) adj2 (analysis model \$4)) FEA FEM NASTRAN \$7 SYNNOISE ABAQUS) AND ((Shortest smallest min minimumal least nearest ) with (thickness distance course path length traversal measurement separation ) with (traversal traverse traversed traversing travel travelled travelling move moved moving)) AND (domain tropology space environment)	US-PGPUB; USPAT; USOCR: FPRS: EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:35
S54	665	(("3"\$1 Dimensional "3"\$1 D three \$1 dimensional three\$1 D ti \$1 Dimensional three\$1 D ti \$1 Dimensional three dimensions" "3 dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided engineering" ((fifnite adj2 element) "finite element" finite \$1 element "finite solution to the state of the state	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; JPO; USPBUB; USPBub; U	OR	ON	2009/04/23 15:35

S53	665	(("3"s I Dimensional "3"\$1D three \$1 dimensional three\$1D it \$1 Dimensional tribinensional "three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided engineering" ((finite adj2 element) "finite element" finite \$1 element) "finite element" finite \$7 element) adj2 (analysis model \$4)) FEA FEM NASTRAIN \$7 SYNOISE ABAQUIS) AND ((Shortest smallest min minimum least nearest) with (thickness distance course path length traversal measurement separation) with (traversal traverse traversed traversial traversed trave	US-PGPUB; USPAT: USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:35
S52	665	[("3"\$1Dimensional "3"\$1D three \$1 dimensional three\$1D tri \$1 Dimensional three\$1D tri \$1 Dimensional three dimensional "three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided engineering" (([finite adj2 element) "finite element" finite \$1 element) adj2 (analysis model \$4)) FEA FEM NASTRAN \$7 SYNOISE ABAQUIS) AND ((Shortest smallest min minimum minimal least nearest ) with (thickness distance course path length traversal measurement separation ) with (traversal traversal traversal traversal traveled travelling move moved moving)) AND (domain travelled travelling move moved moving)) AND (domain travel travelled travelling move moved moving)) AND (domain travel travelled travelling move moved moving)) AND (domain travelled travelling move moved	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:35
S51	1	\$50 not \$37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:31
S50	10	S38 S39 S40 S41 S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM TDB	OR	ON	2008/04/23 15:31

549	0	(("3"\$1 Dimensional "3"\$1D three \$1 dimensional three \$1 D tri \$1 Dimensional three \$1 D tri \$1 Dimensional three more than \$1 Dimensional three dimensions." Cartesian adja coordinates))) and (CAD CAE "computer aded design" Computer aded design" Computer aded design" computer aded element) finite \$1 Dimensions. Since \$1 Di	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:21
S48	0	environment)  (("3"\$1Dimensional "3"\$1D three \$Idimensional three\$1D tri \$1Dimensional tribmensional three dimensions" dimensions" (Cartesian adj3 coordinates)) and (mesh grid mapping surface) and (CAD CAE computer aided design" computer aided engineering" ((fifinite adj2 element) "finite element" finite \$1element) adj2 (analysis model \$41) FEA FEM NASTRAN SYSNOISE ARAOUS) AND (thickness distance) WITH ((depend dependance depending variable varies varying) NEAR3 (direction angle orientation course path)) AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path length traversal measurement separation) with (traversal traversal measurement separation)) AND ((Wolume ADJ (mesh meshed meshing)) tetrahedron letrahedral (grid ADJ (map mapped mapping))) with	US-PGPUB; US-PGPUB; US-PAT; USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:21

		(domain topology space environment))				
S47		(("5"\$1 Dimensional "3"\$1 D three \$1 dimensional three\$1 D in \$1 Dimensional tribree\$1 D in \$1 Dimensional three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (mesh gnd mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided design" "computer aided designer" ((finite adj2 element) "finite element" finite \$1 element 1 pinite element "finite delement" finite delement finite finite delement finite fin	US-PATUSOCR; FPRS: EPO; JPO; JPO; TIBM_TDB	OR	ON	2008/04/23
S46	8	(("3"s1 Dimensional "3"s1 D three st dimensional three\$1 D till \$1 Dimensional "1"s1 Dimensional "three dimensions" "3 dimensions" (Cartesian adja coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided designi" computer aided designi" computer aided engineering" (((finite adja element) "Inite element" finite \$1 element 1"nite element" finite \$1 element 1"nite element" finite sidener finite sidenent finite sidener finite sidenent finite sidener fi	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/29 15:21

		(map mapped mapping))) with (domain topology space environment))	***************************************			
S45	0	(II("3*I Dimensional "3*\$I D three \$1 d mensional three\$I D tri \$1 D mensional three \$1 d mensional "three dimensional three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) WITH (CAD CAE "computer aided design" "computer aided design" (Iffinite adj2 element) "finite element" finite \$1 element) "finite element" finite \$3 element) finite adj2 element) "finite adj2 element) adj2 element) adj2 element) adj2 element given finite adj2 element) adj2 element given finite given given finite gi	US-PAPUB; US-PAT: USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:21
S44		(((("3* ID)imensional "3*\$1D three \$1 dimensional three\$1D tit \$1 Dimensional threis ID tit \$1 Dimensional threis ID tit \$1 Dimensional threis ID dimensional "three dimensions" "3 dimensions" (Catresian adj3 coordinates))) WITH (CAD CAE "computer aided design" "computer aided design" ((finite adj2 element) "finite element" finite \$1 telement) "finite element" finite \$1 telement) adj2 (canalysis model \$4) FEA FEM NASTRAN SYSNOISE ABAQUS)) and ((mesh grid) AND (((shortest smallest min minimum minimal least nearest) with (thickness distance course path length traversed traversed traversed traversed traversed traversing traver traversed measurement separation) with (traversal traversed traversed traversing traver traversed traversing traver traversed traversing traversed traversed traversing) traversed traversed traversing traversed traversed traversed traversing traversed	US-PGPUB; US-PAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2008/04/23 15:21

\$\$43	0	\$\(\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\	US-PGPUB; US-PAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:20
S42	0	[(("3"\$1Dimensional "3"\$1D three \$1dimensional three\$1D tri \$1dimensional three\$1D tri \$1dimensional three\$1D tri \$1dimensional three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) WITH (CAD CAE "computer aided design" "computer aided design" "computer aided design" "computer aided design" (finite element "finite element "finite element "finite selement "sysNoNIGS BABAQUIS)) and (mesh grid) AND ((Shortest smallest min minimum minimal least mearset) with (thickness distance course path length traversat draversed traversed traversed traversed traversed traversed traversed traversed measurement sparation) with (traversal traversed tr	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; JPO; USPC; USP	OR	ON	2008/04/23 15:20

S41	110	(("3"s1 Dimensional "3"s1 D three \$1 dimensional three\$1 D to \$1 dimensional three\$1 D to \$1 dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided engineering" ((filinite adj2 element) "finite element" finite \$1 element "finite element" finite \$1 element "finite telement" subject to \$1 display to \$1 disp	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:20
S40	110	[("3"\$1Dimensional "3"\$1D three \$1dimensional three\$1D tri \$1Dimensional triDimensional triDimensional "three dimensions" "3 dimensions" "Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" computer aided resign (finite adj2 element) "finite element" finite \$1element 1 adj2 (analysis model \$4i) FEA FEM NASTRAN \$YSNOISE ABAQUIS) AND ((Shortest smallest min minimum least nearest) with (thickness distance course path length traversal measurement separation) with (traversal traverse traversed (map mapping)) with (domain topology space environment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:19

S39	110	[(("3"\$1 Dimensional "3"\$1 D three \$1 dimensional three\$1 D tri \$1 Dimensional thromensional "three dimensional thromensional "three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided engineering" ((finite adj2 element) "finite element" finite \$1 element) adj2 (analysis model \$4)) FEA FEM NASTRAN SYSNOISE ABAQUS) AND (((Shortest smallest min minimum minimal least nearest) with (thickness distance course path length traversal measurement separation) with (traversal traveled travelling move moved moving)) AND (((volume mapped mapping))) tetrahedron tetrahedral (grid ADJ (map mapped mapping))) with ((domain topology space environment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 15:19
S38	10	[(73"\$1Dimensional "3"\$1D three \$1 dimensional three\$1 D tri \$1 Dimensional throws \$1 dimensional three dimensional three dimensional "three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided design" "computer aided design" ((finite adj2 element) "finite element" finite \$1 element "finite strict with the strict was supported to the strict was supported by the	US-PGPUB: USPAT; USOCR; FPRS; EPO; JPO; JPO; JPO; JPO; JPO; JPO; JPO; J	OR	ON	2008/04/23
S37	9	S25 S26 S27 S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 14:28

536	0	[("3"\$1Dimensional "3"\$1D three \$1dmensional three\$1D tri \$1Dimensional triDimensional "1Dimensional "three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (thickness with (determine determining)) and (mesh grid mapping surface) and (CAD CAE "computer aided design" computer aided design" computer aided engineering" ((ffinite adj2 element) "finite element" finite \$1 element 1 pinite element "finite \$1 element 1" nitrite element "finite delement" finite delement finite solvent pinite element "finite delement" finite delement finite f	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 13:44
535	0	(("a"\$1Dimensional "a"\$1D three \$1dimensional three\$1D tri \$1Dimensional tribimensional tribimensional tribimensional tribimensional "three dimensions" "a dimensions" (Cartesian adj3 coordinates))) and ((thickness distance) with (determine determining)) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided design" (filnite adj2 element) "finite element" finite selment) "Finite element" finite \$1 element) Thite adj2 (analysis model \$4)) FEA FEM NASTRAN \$7 SNOISE ABAQUIS) AND ((thickness distance) WITH ((depend dependance depending variable varies varying) NEAR3 (direction angle orientation course path)) AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path) length traversal measurement separation) with (traversal traverse traversed traversing travel travelted traverling move	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 13:44

		moved moving)) AND (((volume ADJ (mesh meshed meshing)) tetrahedron tetrahedral (grid ADJ (map mapped mapping))) with (domain topology space environment))				***************************************
S34	0	(("3"\$1Dimensional "3"\$1D three \$1 bit mensional three\$1 b ti \$1 Dimensional three\$1 b ti \$1 Dimensional tribinensional tribinensional tribinensional "three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (thickness with (determine determining)) and (CAD CAE "computer aided design" "computer aided design" "computer aided design" "computer aided design" "computer aided sign "computer aided design" "computer aided sign "computer aided sign "computer aided design" "computer aided design" "computer aided design "computer aided design "computer aided (Indiana) AND (Shortest pandless and (Indiana) AND (Shortest smallest min minimum minimal least nearest youth (Inckness distance course path)) AND ((Shortest smallest min minimum minimal least nearest path length traversal measurement separation ) with (traversal travelled travelled travelled travelled travelled travelled travelled travelled move moved movingi)) AND (((volume ADJ (mesh meshed meshingi)) tetrahedron tetrahedral (grid ADJ (map mapped mapping))) with (domain topology space environment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; JPO; USEMWENT; IBM_TDB	OR	ON	2008/04/23
S33	О	(("3" 51 Dimensional "3" \$1 D three \$1 dimensional three\$1 D to \$1 Dimensional three\$1 D to \$1 Dimensional "three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and (thickness with (determine determining)) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided engineering" ((finite adj2 element) "finite element" finite \$1 element   Time \$1 e	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPC; DERWENT; IBM_TDB	OR .	ON	2008/04/23 13:44

	***************************************	separation ) with (traversal traverse traversed traversing travel travelling move moved moving)) AND ((volume ADJ (mesh meshed meshing)) tetrahedron tetrahedral (grid ADJ (map mapped mapping))) with (domain topology space environment))			***************************************	
\$32		I(("3"\$1 Dimensional "3"\$1 D three \$1 dimensional three\$1 D till \$1 Dimensional throe\$1 Dimensional Three dimensional "3" didmensions" (Cartesian adj3 coordinates))) WITH (CAD CAE "computer aided design" computer aided design" (Ifinite adj2 element) "finite element" finite \$1 element) "finite element" finite \$1 element) "finite element" finite \$1 element) "FEA FEM NASTRAN \$7 SYNNOISE ABAQUISI) and (thickness with (rib plate shell) with (estimating approximate approximate approximate approximate approximate destimating approximate approximating calculate calculated calculating assess assessed assessing determine determined determining) and (mesh grid) AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path length traverse traversed traversing travel travelled travelled travelled move moved moving)) AND (((volume AD) (mesh meshed meshing)) lettareberon tetrahedral (grid AD) (map mapped mapping))) with (domain tipology space environment))	US-PGPUB; US-PAT: USOCR; FPRS: EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 13:44
S31	0	((("3"\$1Dimensional "3"\$1D three \$1 dimensional three\$1D till \$1Dimensional tribimensional "three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) WITH (CAD CAE "computer aided design" "computer aided design" "limite adj2 element) "finite element" finite \$1 element   daj2 (analysis model \$4)) FEA FEM NASTRAN SYSNOISE ABAQUS)) and (thickness with (rib plate shell) with (estimate estimated estimating approximate approximated	US-PGPUB; US-PAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 13:44

	ониний в применений в применени	calculate calculated calculating asses assessed assessing predict predicted predicting determine determined determined determined with the determined determined particular assessing assessed assessing and continuous minimal minimal least nearest to with (thickness distance course path length traversal measurement separation ) with (traversal traverse traversed traversing travel travelled travelled travelled travelled travelled move moved moving)). AND ((volume AD J (mesh meshed meshing)) tetrahedron tetrahedral (grid ADJ (map mapped mapping))) with (domain topology space environment))				
S30	0	(I(13'\$1 Dimensional '3'\$1 D three \$1 D tri \$1 Dimensional three\$1 D tri \$1 Dimensional threes 1 D tri \$1 Dimensional 'three dimensions' "3 dimensions' (Cartesian adj3 coordinates))) WITH (CAD CAE 'computer aided design' "computer aided design' (Iffinite adj2 element) "finite element' finite \$1 element) 'finite element' finite \$1 element) 'finite delement' finite adj2 element) 'finite delement' finite adj2 element) 'finite delement' finite delement' finite adj4 approximate approximated approximated approximating calculate calculated calculating assessing predict predicted predicting determined determined determined) adj4 thickness with (rib plate shelli) and (mesh grid) AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path length traverse traversed traversing traverse traversed traversing traverse traversed traversing traverse traversed traversing travel travelled travelling move moved moving)) AND ((volume mapped mapping)) with (domain topology space environment))	US-PGPUB: US-PAT: USOCR: FPRS: EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 13:44

\$29	0	(((3°\$1) Dimensional "3°\$1D three \$1 dimensional three\$1D tri \$1 dimensional three\$1D tri \$1 dimensional three\$1D tri \$1 dimensional three\$1D tri \$1 dimensional three dimensions" 3 dimensions" (Cartesian adj3 coordinates)) WITH (CAD CAE "computer aided design" "computer aided design" "computer aided design" "computer aided seigning "computer aided \$40 tries three	US-PAGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 13.43
S28	1	(("3"\$1Dimensional "3"\$1D three \$1dimensional three\$1D tri \$1dimensional three\$1D tri \$1dimensional thribensional "three dimensions" and dimensions" (Cartesian adj3 coordinates))) and (thickness with (determine determining)) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" computer aided design" computer aided engineering" ((filnite adj2 element) "anite element" finite \$1element) adj2 (analysis model \$4) FEA FEM NASTFAN SYSNOISE ABAQUIS) AND ((Shortest smallest min minimum minimal least nearest) with (trickness distance course path length traverisal measurement separation) with (traversal travelled travelling move moved moving) AND (((volume ADJ (mesh meshed meshing))) tetrahedron tetrahedral (grid ADJ (map mapped mapping))) with	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 13:43

		(domain topology space environment))			į	
27	9	(("3"51 Dimensional "3"51 D three \$1 dimensional three\$1 D tr \$1 Dimensional tribmensional Three dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and ((thickness distance) with (determine determining)) and (mesh grid mapping surface) and (CAD CAE "computer aided design" computer aided design" computer aided engineering" ((ffinite adj2 element) "finite element" finite \$1 element "Inite stement" finite stement finite stement finite stement finite stement in the stement stement stement in the stement stement stement in the stement stem	US-PATUSOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 13-43
626		(("3"s1 Dimensional "3"s1 D three \$ s1 dimensional three\$1 D till \$ s1 dimensional three\$1 D till \$ s1 dimensions" "3 dimensions" "3 dimensions" (Cartesian adj3 coordinates))) and ((determine determining) adj4 thickness) and (mesh grid mappin surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided engineering" (((finite adj2 element) "finite element" finite \$ s1 element) adj2 (analysis model \$4)) FEA FEM NASTRAN \$ SYSNOISE ABAQUIS) AND (((Shortest smallest min minimum minimum least nearest) with (thickness distance course path length traversal measurement separation) with (traversal traversed traverling move moved moving)) AND (((volume ADJ (mesh meshed meshing)) tetrahedron tetrahedral (grid ADJ (map mapped mapping))) with (domain topology space environment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23 13:43

S25		(("3"\$1 Dimensional "3"\$1 D three \$1 three dimensions" 1" \$1 Dimensional three\$1 D three \$1 three dimensions "3 dimensions" (Cartesian adj3 coordinates))) and (thickness with (determine determining)) and (mesh grid mapping surface) and (CAD CAE "computer aided design" "computer aided design" "computer aided engineering" ((finite adj2 element) "finite element" finite \$1 telement) adj2 (analysis model \$4)) FEA FEM NASTRAN SYSNOISE ABAQUS) AND ((Shortest smallest min minimum minimal least nearest) with (thickness distance course path length traversed traversed traversed traversed traversed traversed moved moving)) AND ((Volume ADJ (mesh meshed meshing)) tetrahedron tetrahedral (grid ADJ (map mapped mapping))) with (domain topology space environment))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/23
S24	9	S23 AND ((Shortest smallest min minimum minimal least nearest ) with (thickness distance course path length traversal measurement separation ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/22 21:30
S23	10	(US-20040186604-\$ or US- 20030074174-\$ or US- 2006015641-\$-),did. or (US- 5601084-\$ or US-5896303-\$ or US-6848300-\$ or US-6557338-\$ or US-7050876-\$ or US-6366800- \$ or US-5209878-\$).did.	US-PGPUB; USPAT	OR	ON	2008/04/22 21:30

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